

## MCQ SECTION

01. Which of the following is not a physical agent of sterilization  
A) Sunlight  
B) Radiation  
C) Drying  
D) Dyes
02. Bactericidal agents  
A) Kill bacteria  
B) Prevent bacterial multiplication  
C) Both of above  
D) None of the above
03. Which of the following is not a method of dry heat sterilization  
A) Flaming  
B) Hot air oven  
C) Incineration  
D) Pasteurization
04. Microbiological test of dry heat efficiency is confirmed by non-toxic strain of  
A) Staph aureus  
B) Clostridium tetani  
C) Camp jejuni  
D) Strep faecalis
05. Which of the following is not a method of moist heat sterilization  
A) Boiling  
B) Sunlight  
C) Pasteurization  
D) Autoclave
06. Spores of Bacillus Stearothermophilus are used for determining efficacy of  
A) Filtration  
B) Hot air oven  
C) Moist heat Sterilization  
D) Flaming
07. Which of the following is not used for filtration in sterilization  
A) Candle filter  
B) Membrane filters  
C) Asbestos filter  
D) Glutaraldehyde
08. Which of the following is not a chemical agent for sterilization  
A) Ethyl alcohol  
B) Methyl alcohol  
C) Formaldehyde  
D) Uranium
09. Which of the following is/are non-ionising low energy type of radiation  
A) Infrared rays  
B) Ultraviolet rays  
C) Both  
D) None
10. An ideal antiseptic or disinfectant should have all except  
A) Speedy action  
B) Corrode metals  
C) Stable  
D) Safe and easy to use
11. Ethylene oxide is used for sterilizing all except  
A) Heart lung machine  
B) Sutures  
C) Books  
D) Rooms
12. Which of the following is not used to hold/grab arteries/veins  
A) Bull dog clamps  
B) Debakey forceps  
C) Satinsky's clamps  
D) Kocher's forceps

13. Which of the following is not a retractor used during surgery  
A) Deavers  
B) Langenbeck  
C) Morris  
D) DHS
14. Which of the following is not a suture material  
A) PDS  
B) Catgut  
C) Silk  
D) Terelene
15. Which of the following is not an absorbable synthetic suture  
A) Polyglactin  
B) Polysorb  
C) V-loc  
D) Catgut
16. V-loc suture is manufactured from  
A) Polydioxanone  
B) Polyglytone  
C) Polyglecaprone  
D) Polyglactin
17. Ideal suture should be all except  
A) Sterile  
B) Costly  
C) Easy to handle  
D) Hold securely when knotted
18. All except one is a natural non-absorbable suture  
A) Steel  
B) Nylon  
C) Silk  
D) Cotton
19. All are parts of a surgical suturing needle except  
A) Body  
B) Tip  
C) Neck  
D) Swage
20. Needle (Suturing Surgical) point types include all except  
A) Cutting point  
B) Taper point  
C) Lance point  
D) Blunt point
21. Which of the following is/are artery forceps  
A) Halsted  
B) Crile  
C) Spencer wells  
D) All
22. Which of the following is not an artery forceps  
A) Adson  
B) Kema  
C) Crile  
D) Debakey
23. Left gastric artery is a branch of  
A) Celiac trunk  
B) Common Hepatic artery  
C) Aorta  
D) Spleenic artery
24. Allis tissue holding forceps is used to hold  
A) Ileum  
B) Common bile duct  
C) Duodenum  
D) Rectus Sheath

25. How many parts does duodenum have  
A) Three  
B) Four  
C) Two  
D) None
26. Splenic artery is a branch of  
A) Celiac Axis  
B) Aorta  
C) Common hepatic artery  
D) None
27. Calots triangle contains  
A) Proper hepatic artery  
B) Pancreatic Lymph nodes  
C) Lymph node of lund  
D) Splenic artery
28. Which of the following is not a part of gall bladder  
A) Fundus  
B) Infundibulum  
C) Antrum  
D) Body
29. Which of the following does not constitute solid organ injury  
A) Liver  
B) Spleen  
C) Kidney  
D) Sigmoid Colon
30. What comes after or distal to sigmoid colon  
A) Transverse colon  
B) Rectum  
C) Cecum  
D) Stomach
31. Small bowel contains all except  
A) Ileum  
B) Jejunum  
C) Duodenum  
D) Cecum
32. Which is the longest bone among the following  
A) Sternum  
B) Femur  
C) Radius  
D) Scapula
33. Which of the following form the forearm  
A) Radius  
B) Ulna  
C) Both  
D) None
34. Which of the following is not a part of hip/pelvic bone  
A) Iliac  
B) Ischium  
C) Pubis  
D) Condyle Medial
35. All except one of the following supplies the stomach  
A) Left gastric artery  
B) Short gastric artery  
C) Left gastroepiploic artery  
D) Middle cerebral artery
36. All except one are used during laparoscopic cholecystectomy  
A) 10mm trocar  
B) Vulsellum forceps  
C) Maryland forceps  
D) L-hook

37. Which of the following is not used for surgical scrub  
 A) Chlorhexidine  
 B) Povidone iodine  
 C) Glutaraldehyde  
 D) Soap
38. What is the ideal surgical scrub time  
 A) 1 Minute  
 B) 10 Minutes  
 C) 5 Minutes  
 D) 15 Minutes
39. Which of the following is not a method of knot typing  
 A) Hand tied  
 B) Instrument tied  
 C) Kema tied  
 D) Endoscopically
40. Hand tied Knot can be all except  
 A) Granny knot  
 B) Thor knot  
 C) Surgeon's knot  
 D) Square knot
41. High incidence of wound infection is due to all except  
 A) Diabetes mellitus  
 B) Obesity  
 C) Clean wound  
 D) Malnourishment
42. All are used in suturing a lacerated wound except  
 A) Suturing tray  
 B) Needle holder  
 C) 1 or 2 % lignocaine  
 D) Harmonic scalpel
43. All are steps of suturing a lacerated wound except  
 A) Wound assessment  
 B) Wound preparation  
 C) Wound closure  
 D) Radiotherapy
44. All are types of sutures except  
 A) Simple interrupted suture  
 B) Vertical mattress suture  
 C) Saleem continued suture  
 D) Subcuticular suture
45. All are absorbable synthetic suture except  
 A) Maxon  
 B) Caprosyn  
 C) Polyester  
 D) V-loc
46. All are non absorbable synthetic sutures except  
 A) Silk  
 B) Nylon  
 C) Polyamide  
 D) Surgipro 11
47. Catgut sutures have following characters except  
 A) Collagenous tissue  
 B) Synthetic suture material  
 C) Tensile strength for 7-10 days  
 D) Prion transfer (disease)
48. An ideal needle should have all except  
 A) Made of high quality stainless steel  
 B) Thin and slim  
 C) Corrosion/Corrosive  
 D) Resist bending

49. All are the different shapes of surgical needles except  
A) Straight needle  
B)  $\frac{1}{2}$  circle needle  
C)  $\frac{3}{4}$  needle circle  
D) Q needle
50. Trendelenburg position is  
A) Head down  
B) Head up  
C) Left up  
D) Left down
51. All are types of anastomosis in surgery except  
A) End to end  
B) End to side  
C) Maydl technique  
D) Side to side
52. Which of the following is not an instrument for grasping  
A) Thumb forceps  
B) Artery forceps  
C) Scalpel  
D) Babcock forceps
53. Which blade (surgical) does not exist  
A) 10  
B) 15  
C) 18  
D) 50
54. All are types of scissors used in surgery except  
A) Mayo's  
B) Metzenbaum  
C) MC kema  
D) Mc Indoe's
55. Which of the following is not a retractor  
A) Czerny  
B) Mc lalit  
C) Doyens  
D) Morris
56. Surgical drain can be made of all except  
A) Latex rubber  
B) Silicon  
C) PVC  
D) PTFE
57. All are types of drainage systems used in surgery except  
A) Open drainage  
B) Closed siphon drainage  
C) Closed suction drainage  
D) Septic tank drainage
58. The following techniques are included in minimal access surgery except  
A) NOTES  
B) SILS  
C) VATS  
D) FILTH
59. All of the following are related to minimal access surgery except  
A) Manipulation angle  
B) Elevation angle  
C) Azimuth angle  
D) Proprietary angle

60. Which of the following is not used for laparoscopic surgery  
 A) Insufflator  
 B) Deavers retractor  
 C) Laparoscope  
 D) Electrosurgical unit
61. Which of the following is not used as light source in laparoscopy  
 A) Xenon  
 B) Metal Halide  
 C) Carbon Dioxide  
 D) Halogen
62. Which of the following cannot be used for sealing of blood vessels  
 A) Ligasure  
 B) Ultrasonic shears  
 C) Photocoagulation  
 D) Doppler scan
63. Which of the following is not used for taking biopsy (needle)  
 A) Kema needle  
 B) Abrahams needle  
 C) Menghini needle  
 D) Trucut needle
64. All are modes of dissection except  
 A) Hydrodissection  
 B) Blunt dissection  
 C) Ethanol dissection  
 D) Scissor dissection
65. For coagulation mode current of interrupted wave form should be  
 A) High voltage low amplitude  
 B) High voltage high amplitude  
 C) High amplitude low voltage  
 D) None
66. For cutting current of continuous wave form should be  
 A) High amplitude low voltage  
 B) High amplitude high voltage  
 C) High voltage low amplitude  
 D) None
67. An Ideal perfect dressing should have all except  
 A) Allow oxygenation  
 B) Retain moisture  
 C) Be penetrable to bacteria  
 D) Non allergenic
68. Which of the following lasers is not used in surgery  
 A) Argon beam  
 B) Helium Aluminium  
 C) Nd:YAG  
 D) Ho:YAG
69. All are indications for intercostal chest tube drainage except  
 A) Emphyema  
 B) Hemothorax  
 C) Tension Pneumothorax  
 D) Liver laceration
70. All of the following are used in cholecystectomy except  
 A) Gauze packs  
 B) Ho:YAG laser  
 C) Artery forceps  
 D) Diathermy
71. Which of the following is not a retractor  
 A) Joll's retractor  
 B) Balfour retractor  
 C) Singh and kema retractor  
 D) Volkmann's retractor

72. Middle thyroid artery is a branch of  
A) Common carotid artery                      B) External carotid artery  
C) Internal carotid artery                      D) None of the above
73. Which of the following is not present in relation to spleen  
A) Splenocolic ligament                      B) Splenorenal/Lienorenal ligament  
C) Gastrosplenic ligament                      D) Spleno-rectal ligament
74. Multifilament sutures have more  
A) Tensile strength                      B) Flexibility  
C) Resistance to harbouring organisms      D) Pliability
75. Following are absolute contraindications to laparoscopic surgery except  
A) Unwilling patient                      B) Patient in shock  
C) Untreated bleeding disorder              D) Trained laparoscopic surgeon

**TRUE – FALSE SECTION**

76. Closed gloving technique is better than open gloving technique  
A) True                      B) False
77. A gown is contaminated if one touches the outside of the gown  
A) False                      B) True
78. Granny knot should not be used as it is not a safe knot  
A) True                      B) False
79. Knots are used for approximation of tissues  
A) True                      B) False
80. Sebaceous cyst should be removed completely to avoid recurrence  
A) True                      B) False
81. SCC is excised with 1cm of normal skin  
A) True                      B) False
82. Surgical silk does not lose tensile strength when exposed to moisture  
A) True                      B) False
83. Ideal sutures having all the desirable properties do exist  
A) True                      B) False
84. Improper positioning of the surgeon or patient can complicate the surgery  
A) True                      B) False
85. Staplers do not add to the cost of surgery  
A) True                      B) False

86. No. 3 BP handle accommodates size 10-15 surgical blades  
A) True B) False
87. A surgical drain itself can cause complications by erosion into viscera  
A) False B) True
88. Proper placement of parts is key to success in laparoscopic surgery  
A) True B) False
89. Minimal access surgery is not always minimally invasive  
A) True B) False
90. Always include a portion of normal tissue while taking a biopsy from ulcer  
A) True B) False
91. Do not use monopolar diathermy in a patient with pacemaker  
A) False B) True
92. Laser operating area should not be clearly demarcated in OTs  
A) True B) False
93. Surgical glove used for surgery should be sterile  
A) True B) False
94. One can scrub with antiseptic solution but not with soap  
A) True B) False
95. Monofilament sutures are easier to tie than multifilament sutures  
A) True B) False
96. Vertical mattress sutures should be used if there is excess skin  
A) True B) False
97. Basal cell carcinoma should be excised with minimum 2cms margin of normal skin  
A) True B) False
98. Monofilament sutures are preferred for vascular surgery  
A) True B) False
99. While positioning a patient for surgery excess abduction of upper limbs should not be avoided  
A) True B) False
100. If packing does not stop bleeding proximal and distal control of the bleeding vessel may be needed  
A) True B) False



**Answer Key for FOR THE POST OF Jr TA**

<b>S. No.</b>	<b>Option/Answer</b>
1	A) Sunlight
2	A) Kill bacteria
3	D) Pasteurization
4	B) Clostridium tetani
5	B) Sunlight
6	C) Moist heat Sterilization
7	D) Glutaraldehyde
8	D) Uranium
9	C) Both
10	B) Corrode metals
11	D) Rooms
12	D) Kocher's forceps
13	D) DHS
14	D) Terelene
15	D) Catgut
16	A) Polydioxanone
17	B) Costly
18	B) Nylon
19	C) Neck
20	C) Lance point
21	D) All
22	B) Kema
23	A) Celiac trunk
24	D) Rectus Sheath
25	B) Four
26	A) Celiac Axis
27	C) Lymph node of lund
28	C) Antrum
29	D) Sigmoid Colon
30	B) Rectum
31	D) Cecum
32	B) Femur
33	C) Both
34	D) Condyle Medial
35	D) Middle cerebral artery
36	B) Vulsellum forceps

37	C) Glutaraldehyde
38	C) 5 Minutes
39	C) Kema tied
40	B) Thor knot
41	C) Clean wound
42	D) Harmonic scalpel
43	D) Radiotherapy
44	C) Saleem continued suture
45	C) Polyester
46	A) Silk
47	B) Synthetic suture material
48	C) Corrosion/Corrosive
49	D) Q needle
50	A) Head down
51	C) Maydl technique
52	C) Scalpel
53	D) 50
54	C) MC kema
55	B) Mc lalit
56	D) PTFE
57	D) Septic tank drainage
58	D) FILTH
59	D) Proprietary angle
60	B) Deavers retractor
61	C) Carbon Dioxide
62	D) Doppler scan
63	A) Kema needle
64	C) Ethanol dissection
65	A) High voltage low amplitude
66	A) High amplitude low voltage
67	C) Be penetrable to bacteria
68	B) Helium Aluminium
69	D) Liver laceration
70	B) Ho:YAG laser
71	C) Singh and kema retractor
72	D) None of the above
73	D) Spleno-rectal ligament
74	C) Resistance to harbouring organisms
75	D) Trained laparoscopic surgeon

76	A) True
77	B) True
78	A) True
79	B) False
80	A) True
81	A) True
82	B) False
83	B) False
84	A) True
85	B) False
86	A) True
87	B) True
88	A) True
89	A) True
90	A) True
91	B) True
92	B) False
93	A) True
94	B) False
95	B) False
96	A) True
97	B) False
98	A) True
99	B) False
100	A) True